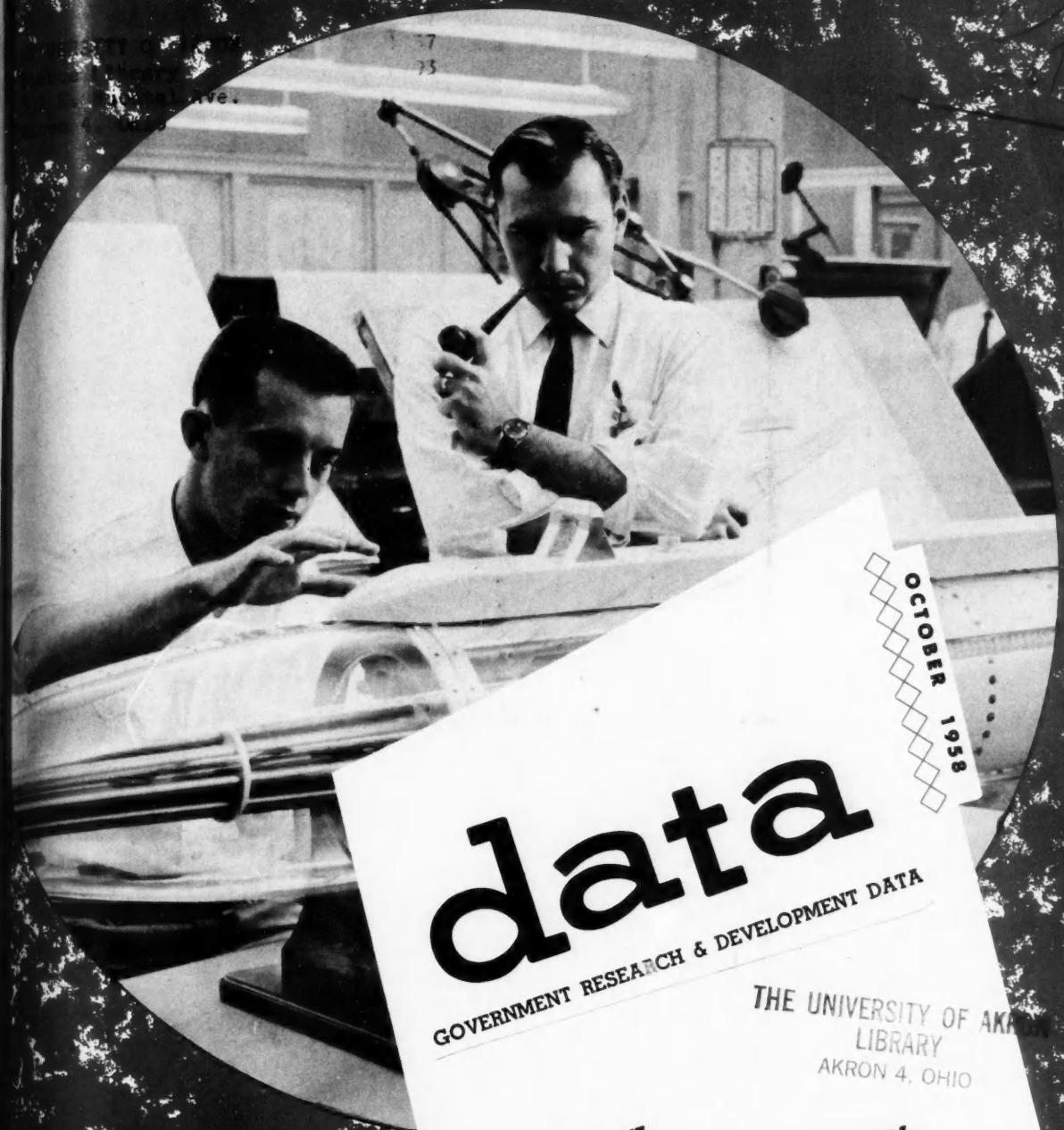

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IN THIS ISSUE:

COMPLETE DIRECTORY of U.S. Army Signal Corps Key Personnel

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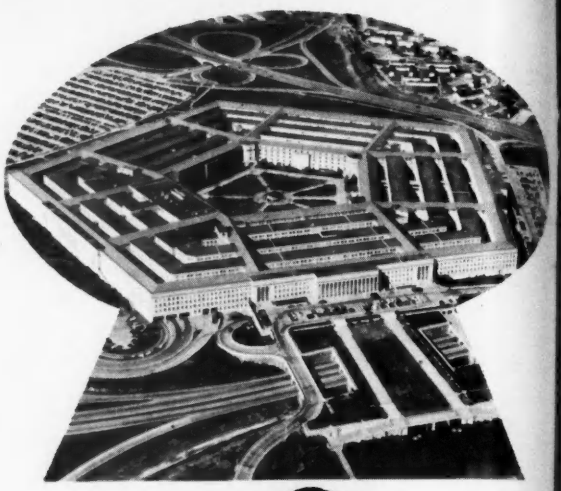

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Communications, Electronics 13
Construction 14
Energy 15
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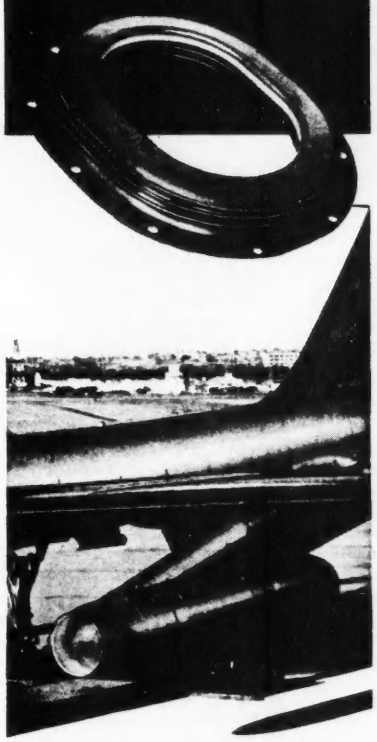

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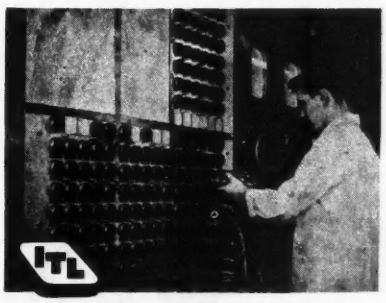

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Chief: Capt. J. R. Watson	SIGSU-M5e-2	10th fl.	470
Asst.: B. Friedman	SIGSU-M5e-2	10th fl.	471
COMMODITY PROCUREMENT BRANCH—B—12			
Chief: Major L. Bonucci	SIGSU-M5e-3	10th fl.	468
Asst.: R. Miller	SIGSU-M5e-3	10th fl.	478
COMMODITY PROCUREMENT BRANCH—B—13/14			
Chief: Capt. H. R. Gallagher	SIGSU-M5e-4	10th fl.	466
Asst.: Mrs. M. Regan	SIGSU-M5e-4	10th fl.	467
SPECIAL PURCHASES BRANCH—B			
Chief: Capt. G. A. Gibson	SIGSU-M5e-6	10th fl.	456
Asst.: C. Maurer	SIGSU-M5e-6	10th fl.	457
IPM & FAC PROCUREMENT BRANCH			
Chief: Major E. T. Jacobsen	SIGSU-M5e-5	10th fl.	8058
Asst.: Miss L. Mizdail	SIGSU-M5e-5	10th fl.	8059
PROCUREMENT MANAGEMENT DIVISION—"C"			
Chief: Major J. L. Riggins	SIGSU-M5-f	9th fl.	8047
Asst.: A. Testa	SIGSU-M5-f	9th fl.	8048
COMMODITY PROCUREMENT BRANCH—C—21/24			
Chief: Capt. J. F. Harte	SIGSU-M5F-2	9th fl.	482
Asst.: H. Walton	SIGSU-M5F-2	9th fl.	758
COMMODITY PROCUREMENT BRANCH—C—22/25			
Chief: Major C. E. Goodale	SIGSU-M5F-3	9th fl.	480
Asst.: F. Toscano	SIGSU-M5F-3	9th fl.	8043
COMMODITY PROCUREMENT BRANCH—C—23			
Chief: Capt. J. R. Abrams	SIGSU-M5F-4	9th fl.	498
Asst.: J. Coyle	SIGSU-M5F-4		
SPECIAL PURCHASES BRANCH—C			
Chief: F. Wilkocz	SIGSU-M5F-5	9th fl.	375
PROCUREMENT SERVICES DIVISION			
Chief: M. Wexler	SIGSU-M5g	10th fl.	453
BIDDERS INFORMATION BRANCH			
Acting Chief: E. A. Jolley	SIGSU-M5g	8th fl.	488

PROPERTY AND ADMINISTRATIVE DIVISION

HEADQUARTERS:			
Chief: F. J. McAdams	SIGSU-M8	13th fl.	8152
Asst. Chief: J. Hilton	SIGSU-M8	13th fl.	8153
INDUSTRIAL PROPERTY ACCOUNTING BRANCH:			
Chief: S. Horner	SIGSU-M8d	13th fl.	577
Asst. Chief: J. O'Hara	SIGSU-M8d	13th fl.	576
PROPERTY ADJUSTMENT BRANCH:			
Chief: M. Barnett	SIGSU-M8e	13th fl.	592
Asst.: J. C. Newcomer	SIGSU-M8e	13th fl.	593
CENTRAL FACILITIES CONTROL BRANCH			
Chief: F. Kleiman	SIGSU-M8g	13th fl.	587
Asst. Chief: J. Francesco	SIGSU-M8g	13th fl.	578
INDUSTRIAL PROPERTY DISPOSAL BRANCH			
Chief: A. Welsh	SIGSU-M8F	13th fl.	591
Asst. Chief: E. Farrell	SIGSU-M8F	13th fl.	591
ADMINISTRATIVE SERVICES BRANCH			
Chief: H. Lawlor	SIGSU-M8h	13th fl.	385

ECONOMICS DIVISION

HEADQUARTERS:			
Chief: H. Moore	SIGSU-M7	13th fl.	368
Asst. Chief: H. Ormsby	SIGSU-M7	13th fl.	368
PRICING BRANCH			
Chief: H. Shein	SIGSU-M7a	13th fl.	617
Asst. Chief: J. Casey	SIGSU-M7a	13th fl.	616
FINANCIAL REVIEW AND ASSISTANCE BRANCH			
Chief: H. Ormsby	SIGSU-M7b	13th fl.	368
Asst. Chief: J. Gallagher	SIGSU-M7b	13th fl.	604
TERMINATION AND HARDSHIP CLAIM BRANCH			
Chief: L. B. Moyer	SIGSU-M7c	13th fl.	613

BRIEFINGS

AMMO SHIP PYRO LAUNCHED 6 NOV

PYRO (AE-24) was launched at Bethlehem Steel Co shipyard in Baltimore on 6 Nov. Unusual ammo ship is air conditioned thruout, moves at 21 knots, displaces 7500 tons and can carry 7500 tons. Overall length is 512 ft. PYRO is fourth in series of identical ammo carriers of SURIBACHI class. ///Navy Info 1030/

NAVY ADDS TWO MORE ANTISUB GROUPS

Adm Jerauld Wright, commander of Atlantic Fleet, announced establishment of two more antisub defense groups, under command of V/Adm Wm G Cooper. Mission of the new units will be to concentrate on specific antisub tactics in order to improve LantFleet readiness. New groups named BRAVO and CHARLIE respectfully. ///Navy Info 1014/

HARVEY ALUMINUM GETS $1,241,267 FOR MAINTENANCE WORK

Army lets out $1,241,267 contract to Harvey Aluminum for continued maintenance of industrial portion of Milan Arsenal, Tenn. ///Army Info/

CHRYSLER AND DEAN CONSTRUCTION GET ARMY BIDS

Chrysler got new $2,100,000 contract for JUPITER missile work. Dean Construction of Long Island received $1,938,000 for construction of a special weapons building at Picatinny Arsenal, Dover, N. J. ///Army/

DR JOSEPH V CHARYK NAMED AF CHIEF SCIENTIST

Dr Charyk, Gen Mgr of Space Tech Div of Aeronutronic Sys, Inc, a subsidiary of Ford, succeeds Dr G E Valley who accepted an industry spot with Melpar Div of Westinghouse. ///AF Info 1031/

ARMY TO START NEGOTIATIONS RE: M-60 MACHINE GUN PRODUCTION

Appx 37 firms have expressed interest in production of new gun. Final selection of successful bidder will be made at Ordnance Weapons Cmd, Rock Island, Ill. Award of contract will be made early in '59. ///Army/

NEW TYPE CANTEENS

Vacuum type canteen developed by Army has plastic mouthpiece that prevents harm to lips in below zero weather. Canteen also is insulated to carry water for two days in arctic cold without freezing. ///Army Info/

COMBAT BOOTS TESTED

Two new types of combat boots are under test. Both types have rounded sole edges, beveled heels and hard toe caps. Tests being conducted by Army Surgeon General's Office and Army Quartermaster in program to develop standard interservice footwear. ///Army Info/

PROTECTIVE SUITS

Protective clothing for Army now includes standardized impermeable suit for protection of missile-servicing crews. ///Army Info/

JAPANESE WILL MANUFACTURE NAVY P2V A/C

following arrangement between Japanese Govt and Govt of U S along with Lockheed. Kawasaki A/C Co at Gifu, Japan, will be prime on Nippon NEPTUNE. Obj of program is to provide Japan with 42 anti-sub a/c and to lend impetus to Japanese a/c industry. ///Pent OPI 1015/

NAVY TO TEST NEW RESEARCH ROCKET

ARCAS, 72-lb solid propellant rocket capable of lifting 12-lb payload to 200,000 ft, is built by Atlantic Research of Alexandria. Low-cost single-stage rocket is about $4\frac{1}{2}$ inches in dia. Six feet long. Specially designed parachute, to lower rocket instrumentation from 200,000 ft level, is made of $\frac{1}{2}$ mil mylar, has extended skirt to ensure stable descent. 'Chute skirt is coated with aluminum to make it radar reflective. Two-inch sealed hem on 'chute contains few cubic centimeters of methanol which vaporize at altitude to provide necessary inflation pressure. ///Navy Info 1015/

NAVY BALLOON BALANCING

Navy is conducting series of tests to keep balloons up for days by balancing gas pressure in bag. Balloon is partially inflated at launch. As balloon rises, heat from sun's rays expands helium and excess gas is automatically valved off to prevent balloon bursting. At sunset, when helium contracts and balloon loses buoyancy, ballast is dropped to make balloon system lighter and allow ballor to return to its original altitude. This technique has been successful in keeping balloons at 65,000 ft level for week at a time. ///Navy Info 1014/

AF GIVES BOEING MINUTEMAN ASSY AND TEST CONTRACT

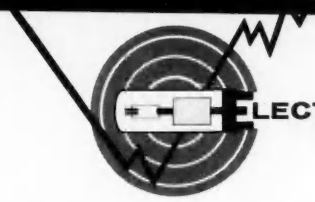
MINUTEMAN, solid propellant ICBM under accelerated development for use by SAC, will see Boeing as prime, major subs include: Avco on nose cone, North American Autonetics on guidance, Thiokol and Aerojet on engines. ///AF Info 1010/

PIONEER STIX BEING PROCESSED

AF Ballistic Missile Div of ARDC at Los Angeles is now reducing vast collection of raw tech data received from historic space flight of lunar-probe PIONEER. Final compilation of facts and figures may take several weeks. ///AF Info 1015/

NAVY PLANS BALLOON FLIGHTS TO STUDY MARS

Manned 80,000 ft altitude ballon flight to study Mars will be launched at Stratobowl near Rapid City, S. D., in early November. The ascent, to determine water vapor content in Martian atmosphere, is scheduled at time when Mars will be approximately 45 million miles from earth in a favorable position for astronomical investigation. Weather conditions permitting, launch is planned for a mid-afternoon overnight flight. Dr. John Strong of Johns Hopkins will make observations. ///ONR 1017/



NEW ARMY RADAR PERFORMS THREE VITAL JOBS SIMULTANEOUSLY

Called FRESCANAR, new radar developed by Hughes is "three-dimensional" equip that detects airborne targets at extreme range and for first time simultaneously computes distance, bearing and altitude. New radar and its electron sys is considered one of most important advances made in electron detection since initial development of radar. ///Army Info 1014/

NAVY AWARDS $20 MILLION CONTRACT TO RYAN FOR NAV EQUIP

Adaptable to all naval a/c, the self-contained navigation equip will be used initially in Lockheed NEPTUNE and Martin MARLIN patrol planes, carrier-based Douglas SKYWARRIORS and three Groumman a/c types. Contract of $20 million is largest Navy has ever given Ryan Electronics Div. Equip is designated APN-122 (V) and is all-weather airborne ground velocity indicator which employs continuous-wave Doppler radar. It automatically, continuously and accurately computes and displays ground speed and drift angle without aid of ground stations, wind estimates or true air speed. ///Navy Info 1015/

NEW PHOTO-COMPOSING SYSTEM ADOPTED BY NAVY

New photo-composing system which is expected to reduce expenditures by several million dollars a year has been adopted by Navy. Called "Foto-List", system — designed by Vari-Typer Corp of Newark — will cut in half the cost of Navy's large cataloging projects. One of the sytem's first major uses will be in printing Navy Stock List, a publication for which about 75,000 new pages must be composed and printed each year. With "Foto-List" file cards — run at high speed through special camera — replace metal type used in conventional printing. ///Navy Info 1020/

NEW NON-CONTACTING GAGE DEVELOPED

by Nuclear Systems, to measure thickness and density of materials. Uses gamma radiation converted to an electric current. "Gammascan" has high and accurate rate of response. ///Nu Sys - Budd Co/

ELECTRON ACCELERATOR DESIGN STUDY

by Bureau of Standards. Hi-intensity accelerator will have appx 50 million electron-volts of energy and 40 kw electron beam power. Unit will also house present 50-Mev betatron and 180-Mev synchrotron lab and office facilities. Specs expected by Spring 1959. ///Commerce 2280/

ARMY DEVELOPS RADIOACTIVE SURVEY UNIT

to plot and predict radioactive fallout, by Radiological Contr Cntr, at U S Army Chem Corps School. ///Army Info 1010/

NAVY AWARDS 2 CONTRACTS RE: POLARIS

test equip to Interstate Electronics Corp totaling appx $3 million for construction of addtnl instrumentation at Cape Canaveral for ground-firing evaluation and testing on POLARIS-firing subs. ///Navy Info 1012/

CONSTRUCTION

CONSTRUCTION OF ARMY RESERVE FACILITIES AT AMARILLO

consisting of masonry one-unit training center of appx 11,500 sq ft of floor area and two-bay maintenance shop of appx 2500 sq ft of floor area. Drives and gutters as well as gas, sanitary sewer and water lines. Amarillo, Texas. Job IFB ENG 34-066-59-22. Bid opening about 25 Nov 58. U S Army Eng District, Corps of Engineers, P. O. Box 61, Tulsa, Okla. ///Army/

NATO CONSTRUCTION PROJECTS

ABDEL SALAM ABOUL ELA

Aboul Ela Estates Co Ltd, Khartoum, Sudan, invites bids for supply and erection of 100 to 200 prefabricated houses. 75% of houses to have 2 bedrooms and 1-$\frac{1}{2}$ baths. 20% have 3 bedrooms and 2-$\frac{1}{2}$ baths. 5% have 4 bedrooms and 2-$\frac{1}{2}$ baths. Houses are to be completed by second quarter 59. Houses should be designed for tropics with daily temperatures up to 120 degrees. A World Trade Directory report on the above mentioned firm is available to qualified U S firms from the Commercial Intelligence Division, Dept of Commerce, Wash 25, D C for $1 per copy.

LATAKIA PORT CO, SYRIA

Syrian Govt Agency is inviting bids for supply and delivery of 15 steel lighters. Lighters are to be used for transporting goods between ships and quayside. Ten are to have 125 to 150 ton capacity and five 100 ton capacity. Bids should comprise bank guarantee for provisional deposit, about $43,800. Drawings, catalogs and tech specs proving ability of building firm. Bids should be submitted by 12 noon, 11 Nov 58, to Latakia Port Co., Latakia, Syria.

FALCONARA AIRBASE, ANCONA, ITALY

Project consists of concrete pavements, crash and fire building, control buildings, warehouses, internal roads, sewage and fencing. Firms interested in bidding on this project should send their application before 6 Nov 58. Write Ministero Difesa-Aeronautica, Diresione General Demanio, Ufficio Studi, 1 Sezione, Viale Castro Pretorio, Rome. Information on their qualifications should be enclosed on a prescribed form obtainable on request from the Trade Development Div, Bureau of Foreign Commerce, Dept of Commerce, Wash 25, D C.

Firms not already certified to participate in NATO work should send a resume of their qualifications to BFC's Trade Development Div., as described in the brochure on the NATO international competitive bidding program, available from the division mentioned.

CONCRETE BLOCK BLDG, HAYWARD, CALIF.

Building appx 47 x 77 ft with wood frame partition and roof, with plumbing, heating and electrical service and with plant mix surfaced parking area and access road. Also provide chain link fencing, antenna poles, flagpole, seeding and landscaping at Naval Reserve Electronic Facility, Hayward, Calif. Job IFB 18244/58. Bid opening 19 Nov 58. Dist Public Works Office, 12th Naval District, San Bruno, Calif. ///Navy/

AF - AEC INVITE PROPOSALS FOR ASSEMBLED NUCLEAR POWER PLANT

to have pressurized water reactor, cooled and moderated by light water, fueled with enriched uranium. Plant will produce 1000 kilowatts of electricity and appx 2000 kilowatts of heat for offices, barracks, other bldgs. Plant will be installed at an undisclosed AF installation in US. Major consideration in selection of contractor for design and fabrication of the plant will be contractor's demonstrated capability involving pressurized water reactor systems. ///AEC-DOD 1010/

AEC WANTS INDUSTRY PARTICIPATION IN FUEL CYCLE DEVELOPMENT

to discover advanced and improved reactor fuel cycles for power reactors. Program will be known as Fuel Cycle Development Program, is one of several initiated by AEC to accelerate achievement of economic nuclear power. Expressions of interest to participate in this program should be submitted to Director, Div of Reactor Development, AEC, Wash 25, D C. ///AEC 1015/

X-15 POWERPLANT

America's first rocket ship, X-15 by North American, will travel 3600 mph while skimming thru rarefied atmosphere 100 miles above earth. Power will come from liquid oxygen and liquid ammonia as propellants, with consumption rate of some 20 times that for conventional jet-fighter engines. Thiokol's Reaction Motors Div will supply rocket engine, XLR-99, rated at 50,000 lbs thrust. Two XLR-11 interim rocket engines of less thrust will be used on initial X-15 powered flights. Liquid nitrogen is used for air-conditioning and pressurizing pilot's cockpit. ///North Am Av/

CENSUS BUREAU AND AEC SURVEY INDUSTRY PARTICIPATION IN ATOMICS

Bu of Census of Dept of Commerce, with co-op of AEC, is sending out questionnaires and compiling figures to discover how many firms are working in field of atomic energy. Survey will help AEC spread business, get more manufacturers in AEC biz. ///Commerce-AEC/

ARMY WEATHER TRACKS NUCLEAR CLOUDS

Recent tests made by Army Signal Corps show that Army's advanced weather radar systems, ordinarily used to detect storms and aid in forecasts, may also help warn soldiers and civilians on probable areas of radioactive fallout from nuclear explosions. Proved highly effective during high-yield nuclear tests, Army's radar equipment measured size and plotted course of "hot" clouds. ///Army SigCor 23/

DOMESTIC URANIUM PRODUCTION FIGS FOR FIRST HALF 1958 ANNOUNCED

Domestic ore reserves were estimated to total 78,500,000 tons on 30 June 58; ore receipts at all private plants and Govt purchase depots for Jan-Jun 58 totaled 2,440,000 dry short tons; ore fed to process totaled 2,471,000 tons, with average grade of 0.26 percent U_3O_8. ///AEC/

LOGISTICS : MATERIALS

NAVY, AF SEEK HIGH SPEED MISSILE TARGET

Navy and AF announce joint design competition for low cost, high speed missile target. Craft should be medium sized rocket or ramjet propelled target a/c with short flight duration. More detailed design information will be mailed to interested mfgrs on request. Write Information Officer, Navy Bureau of Aeronautics, Main Navy Bldg, Wash 25, D C. ///BuAer/

NAVY AWARDS $17 MILLION CONTRACT TO APPLIED PHYS AT JOHN HOP

Applied Physics Lab of Johns Hopkins University recently received $17.6 million contract for continued research and development on Navy guided missiles. Under this contract, development of guided missiles, guided missile systems and related equipment associated with the BUMBLE-BEE program will be continued, according to R/Adm Paul Stroop, Chief of Bureau of Ordnance. ///Navy Info 1023/

LARGEST TRACTOR TRAIN IN ANTARCTIC HISTORY ARRIVES BYRD STA

Eight D-8 tractors, one Weasel with crevasse detector, 19 men and 16 sleds of cargo recently completed a 650-mile trip from Little America to Byrd Station. Temps averaged minus 24 degrees (F). The train carried 127,000 lbs more equip than any previous snow train. ///TF43/

SUBMARINE ESCAPE DEVICE UNSAFE FOR SKIN DIVING

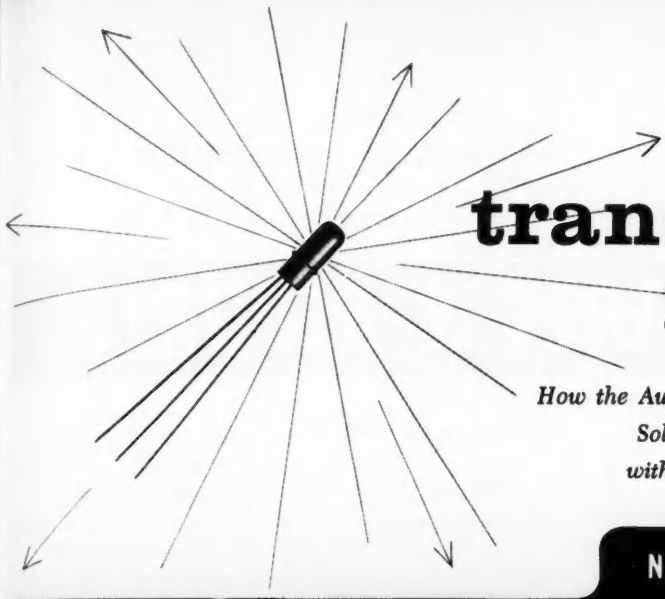
Navy announces that Momsen lungs being sold as surplus property will be mutilated in the future to prevent them from being used for skin diving. Momsen lungs are not suitable for skin diving, and death from suffocation can result when unit is used improperly. Momsen lungs are being replaced in Navy's sub service by more modern escape method. ///Navy/

TWO CONTRACT AWARDS BY ARMY

Sportswelt Shoe of Nashua, N. H., received $1,158,383 contract for 216,850 pair of men's black oxford dress shoes. Blount Bros Construction Co of Montgomery, Ala. received $1,797,395 contract for construction of second increment of Plenum Evacuation System for propulsion wind tunnel at Arnold Engineering Develop Cntr, Tenn. ///Army Info/

NEW FINGERPRINTING METHOD DEVELOPED BY ARMY

New battlefield fingerprinting process instantly produces tissue-thin, almost indestructible plastic cast of direct or latent prints. Developed by Army Quartermaster Corps, intended use was for assuring positive identification of war dead. Number of Federal and municipal law enforcement agencies now interested since markedly clearer fingerprint is produced by new method, better than conventional rolled-ink method. Liquid is sprayed on finger, hardened cast removed. The plastic is easily peeled from finger tip and resultant replica provides easily handled, smudge-proof fingerprint permanently imbedded in plastic. ///Army QM 1030/



transistor failure?

How the Autonetics Division of North American Aviation Solved This Costly Reliability Problem with RADIFLO Non-Destructive Testing

NORTH AMERICAN AVIATION

Hundreds of transistors were tested for leakage with the RADIFLO Leak Detection System by Autonetics. Environmental tests of these transistors conclusively showed: (1) a high percentage of transistor failures-in-circuit are due to leakage, and (2) such failures are virtually eliminated when transistors pass a RADIFLO test of 10^{-11} cc/sec.

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Parts are sealed in a tank... inert, non-toxic, radioactive gas is pumped into the tank under pressure... gas is removed and parts are air-washed... then, radioactive material that has leaked into the parts precisely measured, and the leakage rate immediately flashed to the instrument panel.

The RADIFLO Leak Detection non-destructively measures leakage to 10^{-12} cc/sec.—after units are completely sealed. It permits Go-No-Go parts-grading by leak rate . . . without electrical or mechanical harm to the component. Sensitivity is 1,000 times greater than other methods. The system can be completely automated.

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CHARTS & REPORTS

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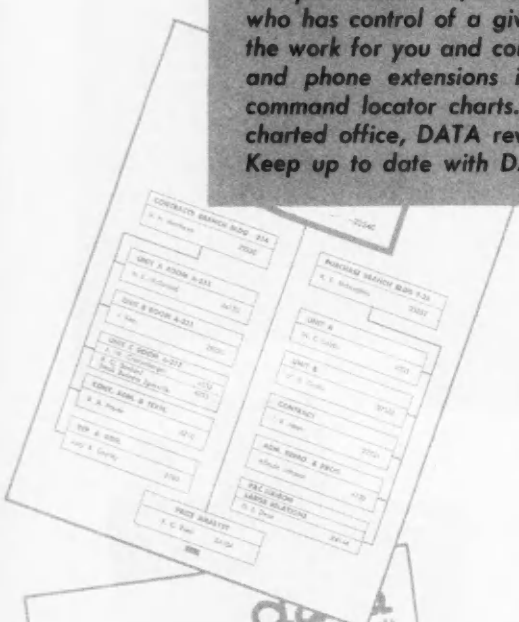
No need to spend valuable time searching for military office and phone numbers, or trying to find the name of the officer who has control of a given responsibility. DATA has done the work for you and compiled names, titles, room numbers and phone extensions in easy-to-read 17"x22" chain-of-command locator charts. As major changes occur in each charted office, DATA revises its charts so that readers can Keep up to date with DATA.



NEW THIS MONTH

C-12 WHO'S WHO in CAA — $1

Very complete listing of 344 key officials of Civil Aeronautics Administration. Room and phone numbers for all key Washington people, key regional officers listed.

C-13 WHO'S WHO in JCS — $1

JOINT CHIEFS OF STAFF listing of all 305 key officers, titles, room numbers, extensions on one side, flip side has chain-of-command block diagram with names.

C-14 WHO'S WHO in BUAER — $1

BUREAU OF AERONAUTICS chart gives key personnel, room and phone numbers in block diagram format for this Navy bureau.

C-15 WHO'S WHO in BUSHIPS — $1

BUREAU OF SHIPS chart gives key personnel, room and phone numbers for this Navy bureau.

REVISED THIS MONTH

C-2 WHO'S WHO IN THE NAVY (Revised November 1958) — $1

Department of the Navy headquarters laid out in detail in a block diagram showing hundreds of key officials, their functions and relationships.

C-3 WHO'S WHO IN THE ARMY (Revised November 1958) — $1

Headquarters offices of the Army in the Pentagon and elsewhere set forth in complete detail including building locations.

CURRENT CHARTS

C-1 **WHO'S WHO IN OFFICE OF THE SECRETARY OF DEFENSE** $1

Complete block diagram showing functions, relative authority, lines of influence, locations, phone numbers.

C-4 **WHO'S WHO IN THE AIR FORCE** $1

Complete chart of the Air Staff divisions. Line and staff officials shown down to the fifth echelon.

C-5 **WHO'S WHO IN THE OFFICE OF NAVAL RESEARCH** $1

Departmentalized listing of key personnel with rooms and phones on one side of chart. Block diagram of ONR offices on flip side.

C-6 **AIR FORCE INSTALLATIONS MAP** $5

Guide to every major A. F. installation in Continental U. S.

C-7 **AIR FORCE OFFICE OF SCIENTIFIC RESEARCH (Revised August 1958)** $1

New version of our popular AFOSR reference. AFOSR has moved to new quarters. We have names of all new personnel, new room numbers, phone extensions.

C-8 **WHO'S WHO IN ARPA** $1

Guide to the Advanced Research Projects Agency of the Department of Defense.

C-9 **WHO's WHO in U. S. ARMY SIGNAL CORPS—WASHINGTON** $1

Complete block diagram is excellent locator of all key U. S. Army Signal Corps personnel in Washington area. Names and titles along with room numbers, phone extensions and divisional responsibilities are shown.

C-10 **WHO's WHO in U. S. ARMY SIGNAL CORPS—R & D for MONMOUTH** $1

Research & Development Laboratories of U. S. Army Signal Corps Labs, Ft. Monmouth, shows all key people in chain of command block diagram, names, titles, room and phone numbers. Administration on flip side.

C-11 **WHO's WHO in U. S. ARMY SIGNAL CORPS—USASSA PHILADELPHIA** $1

Very useful chart of all key people, room numbers, phone extensions, chain of command in U. S. Army Signal Supply Agency in Philadelphia. If you want to sell anything to SigCor, this is key chart.

CURRENT REPORTS

R-1 **AIR FORCE BASES (Revised August 1958)** $1

New bases and name changes are reflected in latest DATA compilation of USAF bases in both continental U. S. and overseas. Perfect supplement for AF map. Order Nbr. R-1R

R-2 **U. S. MISSILES CONTRACTING GUIDE** $1

July 1958 issue of DATA. Full information concerning military contracting offices, prime contractors and principal sub-contractors. Also includes special fact sheet on Advanced Research Projects Agency.

R-3 **NAVY BASES** $1

Compilation of 246 shore activities of the U. S. Navy including air stations, communications stations, shipyards, experiment and test stations, laboratories, ordnance plants.

R-4 **ARMY BASES** $1

Alphabetical listing and addresses of all Class I, II, III bases of Army within continental U. S. Includes arsenals, experiment stations, supply centers, etc.

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**C-2.....WHO'S WHO in NAVY. $1

**C-3.....WHO'S WHO in ARMY. $1

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*C-12.....WHO'S WHO IN CAA. $1

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*C-14.....WHO'S WHO IN BUAER. $1

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R-2.....U. S. GUIDED MISSILES HANDY REFERENCE. $1

R-3.....NAVY BASES. $1

R-4.....ARMY BASES. $1

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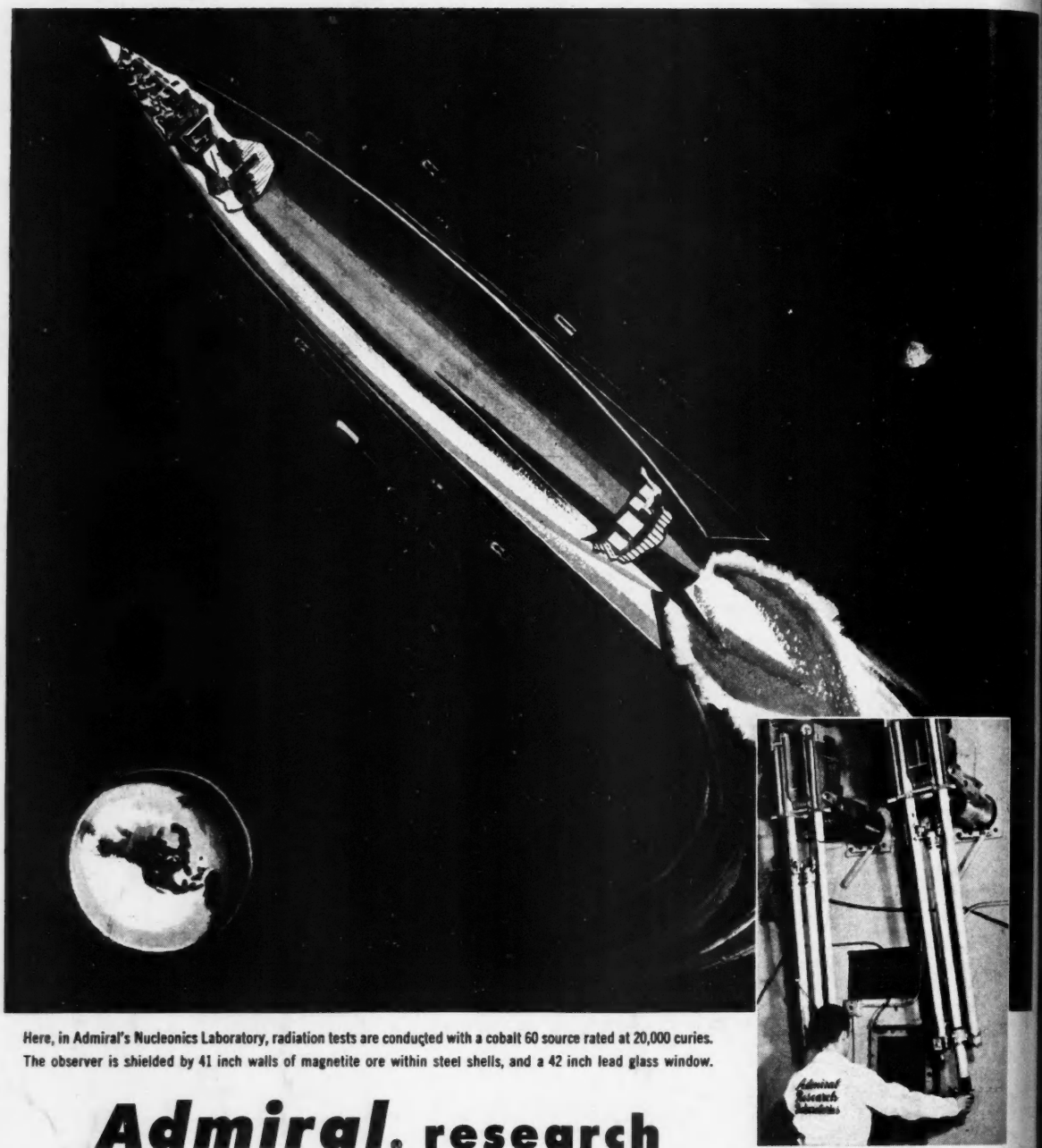
NAME.....

COMPANY.....

ADDRESS.....

CITY-ZONE-STATE.....



Here, in Admiral's Nucleonics Laboratory, radiation tests are conducted with a cobalt 60 source rated at 20,000 curies. The observer is shielded by 41 inch walls of magnetite ore within steel shells, and a 42 inch lead glass window.

Admiral. research

foretells the future of components traveling in outer space

What kind of power will drive man's first vehicle through outer space? It may be an ion propulsion device powered by a nuclear reactor. Ionic drive is now under investigation for the Air Research and Development Command. Investigators recognize the need to shield the human cargo against radiation if a nuclear power source is carried aboard. They also know that efficient design will not permit shielding the space ship's complex electronic equipment.

Then how will electronic components behave when exposed to nuclear radiation? The facts are being established by a continuing study now in progress at Admiral for the U.S. Air Force. This study provides advance knowledge to engineers charged with designing the space ship's electronic complement.

Admiral has equipped a special Nucleonics Laboratory which includes one of the world's largest cobalt 60 sources of gamma radiation. New instrumentation and techniques have been developed for measuring radiation environments. The project furthers Admiral's leadership in the field of fundamental and applied nuclear research. Detailed information is available to authorized persons.

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